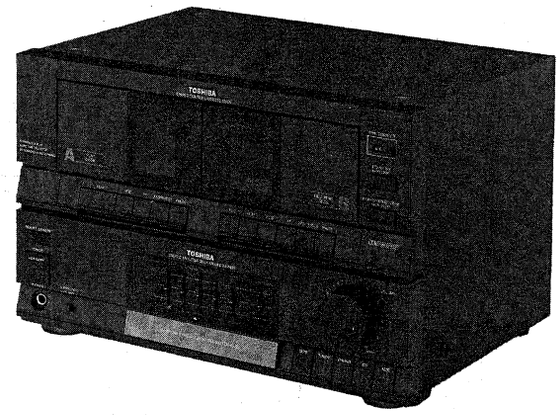
SERVICE DATA
FILE NO. 170-328

TOSHIBA

STEREO AMPLIFIER DECK

SJ-3429



SPECIFICATIONS

Amplifier

1kHz continuos power output:	37W+37W (THD 10%, 8Ω, 1kHz)
DIN music power output:	45W+45W (THD 10%, 8Ω, 1kHz)
Total harmonic distortion:	0.2% at half rated output power, 1 kHz
Input terminals:	PHONO, CD, AUX
Output terminals:	Headphones, speakers, turntable power source , surround
Input/Output terminal:	TUNER, CD SYNCHRO CONTROL
Graphic equalizer Center frequencies:	63 Hz, 250 Hz, 1 kHz, 4 kHz, 12 kHz
Adjustment range:	±10 dB
Signal-to-noise ratio: (A network)	PHONO: 72 dB CD: 85 dB AUX: 85 dB

Cassette Deck

Track system:	4-track, 2-channel stereo
Recording system:	AC bias
Heads:	Deck A: Play: Hard permalloy Deck B: Rec/Play: Hard permalloy Erase: Ferrite
Wow and flutter:	0.15% (WRMS)
Frequency response:	40–16,000 Hz (Chrome position tape)
Signal-to-noise ratio:	56 dB (Chrome position tape)
Motor:	Electronically controlled DC type x 1

General

Power supply:	AC 220 V, 50 Hz (Europe, Germany) AC 240 V, 50 Hz (U.K., Australia) AC 110-127/220-240V, 50/60 Hz (Others)
Power consumption:	245 W (U.K., Australia) 107 W (Europe, Germany, Others)
Dimensions:	360(W) x 230(H) x 270(D) mm
Weight:	5.8 kg

Specifications are subject to change without notice.

TE, TU, AY, VF, TD

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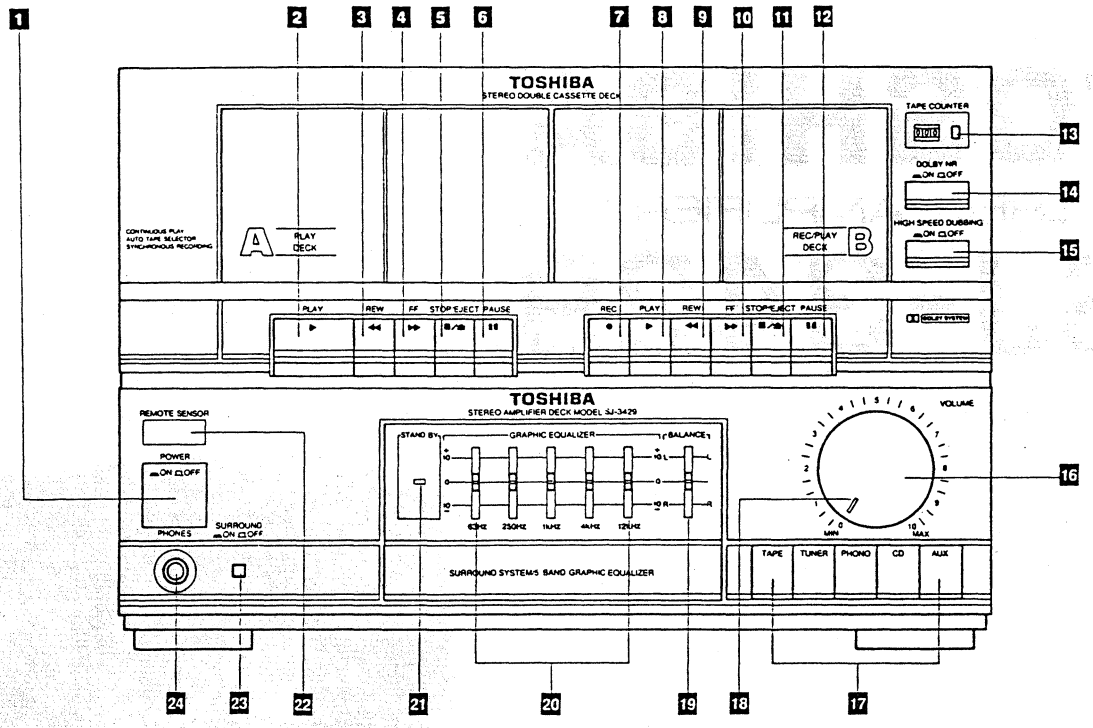
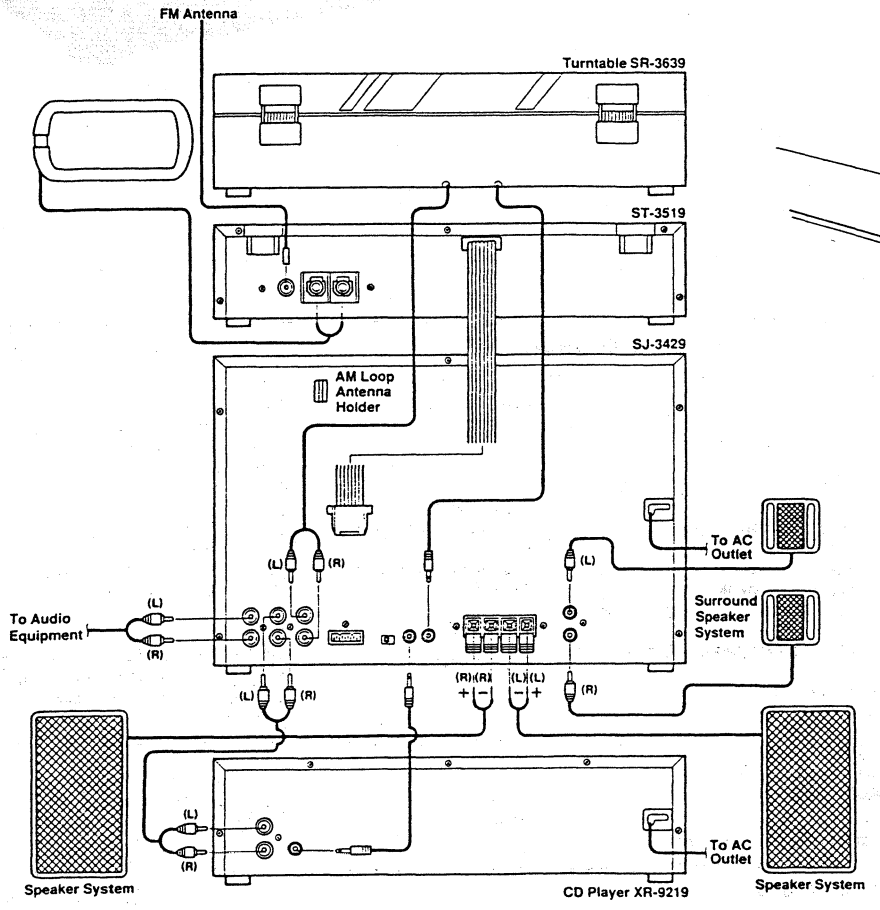
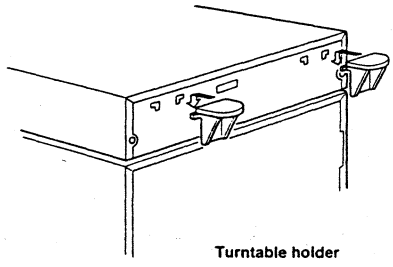
OPERATING CONTROLS







Turntable holder

1 POWER switch

Note: • When the POWER is turned ON, the STAND BY indicator sometimes illuminates (i.e., the stand by mode is entered). If this occurs, press the remote control unit's OPERATE button to clear the stand by mode (i.e., enter the ON mode), or press the POWER button once to turn it off, wait at least five seconds and then turn the POWER ON once again.

2 [▶] PLAY button (deck A)

3 [◀◀] REW button (deck A)
Press to wind the tape rapidly backward.

4 [▶▶] FF button (deck A)
Press to wind the tape rapidly forward.

5 [■/⏏] STOP/EJECT button (deck A)
Press this button to stop tape transport during any of the tape transport modes. Press this button again to open the cassette door after tape transport has stopped.

6 [▮▮] PAUSE button (deck A)
Press the button to temporarily stop tape transport during the play mode. Press again to continue playback.

7 [●] REC button (deck B)
Press this button to begin recording.

8 [▶] PLAY button (deck B)

9 [◀◀] REW button (deck B)

10 [▶▶] FF button (deck B)

11 [■/⏏] STOP/EJECT button (deck B)

12 [▮▮] PAUSE button (deck B)
Press this button to temporarily stop tape transport during the play and record modes. Press again to continue playback or recording.

13 TAPE COUNTER and RESET button
The tape counter provides a means of locating passages on the tape. When starting a recording, set the counter "000" by depressing the reset button.

14 DOLBY NR* button
Depress to the ON position to make a recording using Dolby Noise Reduction or playback a Dolby NR encoded tape. This button switches Dolby NR on and off in both deck A and B. It does not operate during dubbing.
* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol DD are trademarks of Dolby Laboratories Licensing Corporation.

15 HIGH SPEED DUBBING button
Press this button to set the ON position for high speed dubbing. Press again to set the OFF position for normal speed dubbing.

16 VOLUME control knob
Turn this control clockwise to increase the volume level and counterclockwise to decrease it.

17 FUNCTION Selector buttons
Use these buttons to listen to TAPE, TUNER, PHONO, CD or AUX.

18 Power/Volume Indicator
When the power is switched ON, the Power/Volume indicator blinks for 4 seconds. During this period the mute mode is activated, but will be deactivated after the 4 seconds elapse.

19 BALANCE control
This button adjusts the relative volume levels of the left and right speaker systems.

20 GRAPHIC EQUALIZER level controls
These level controls adjust response in the five frequency bands centered at the frequency shown above each control. Adjust these controls to produce the desired sonic effect. If no alteration of sound quality is required, set all five controls to the center "0" position.

21 STAND BY indicator
Illuminates when this unit's power switch is ON and the remote control unit's OPERATE button is pressed; it goes out when the OPERATE button is pressed once again.

22 Remote Control Sensor

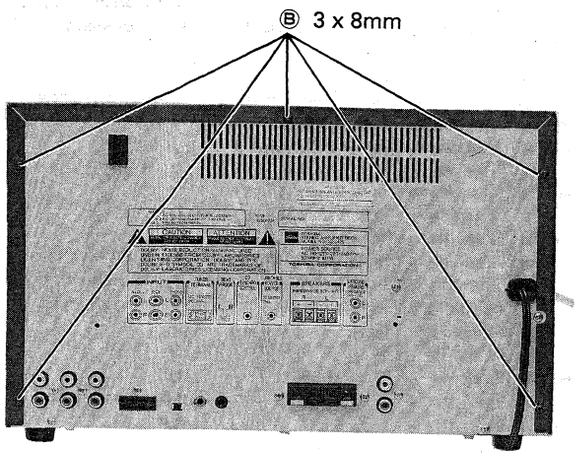
23 SURROUND button
This button is used to enjoy listening in the "surround" mode if the optional surround speaker system has been connected. Even if the surround speaker system has not been attached, this button will provide "wide stereo" effects.

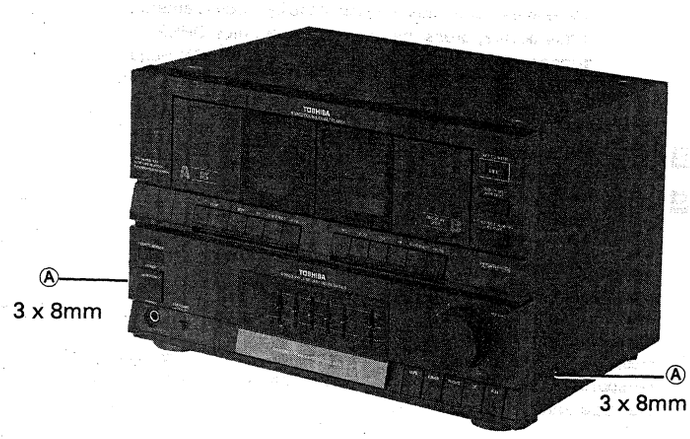
24 PHONES jack
A set of stereo headphones having a 6.3 mm plug can be connected to this jack.

DISASSEMBLY INSTRUCTIONS

TOP COVER REMOVAL

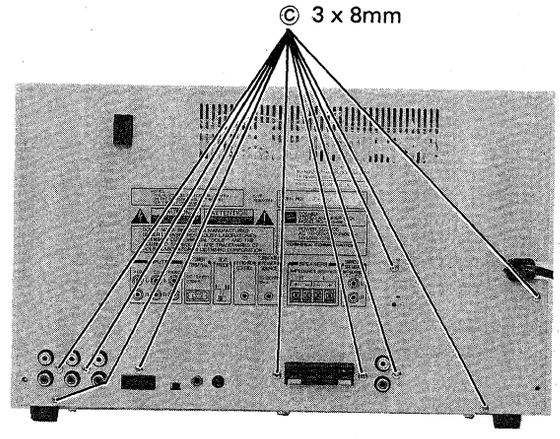
1. Remove seven screws Ⓐ and Ⓑ.





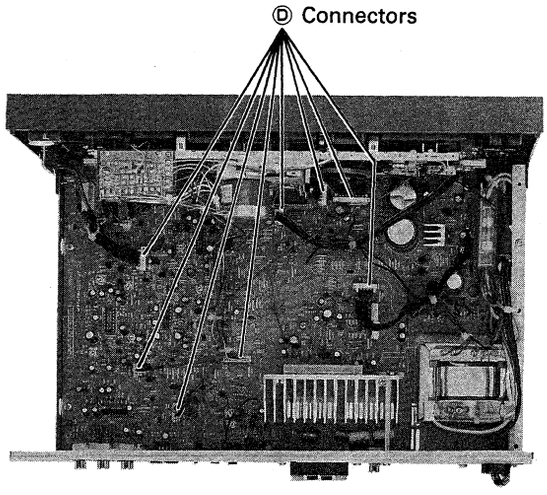
JACK PLATE REMOVAL

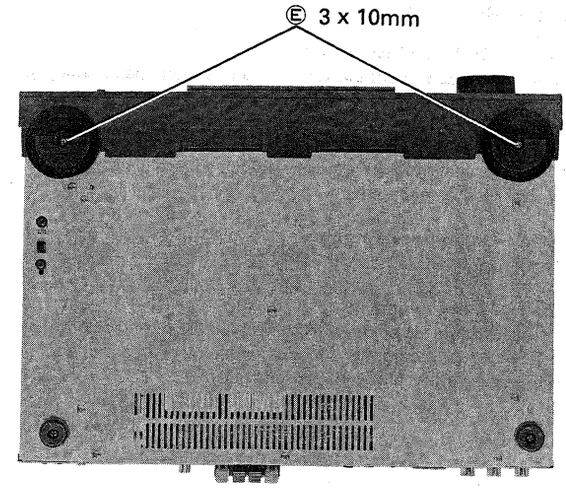
1. Remove ten screws Ⓒ.

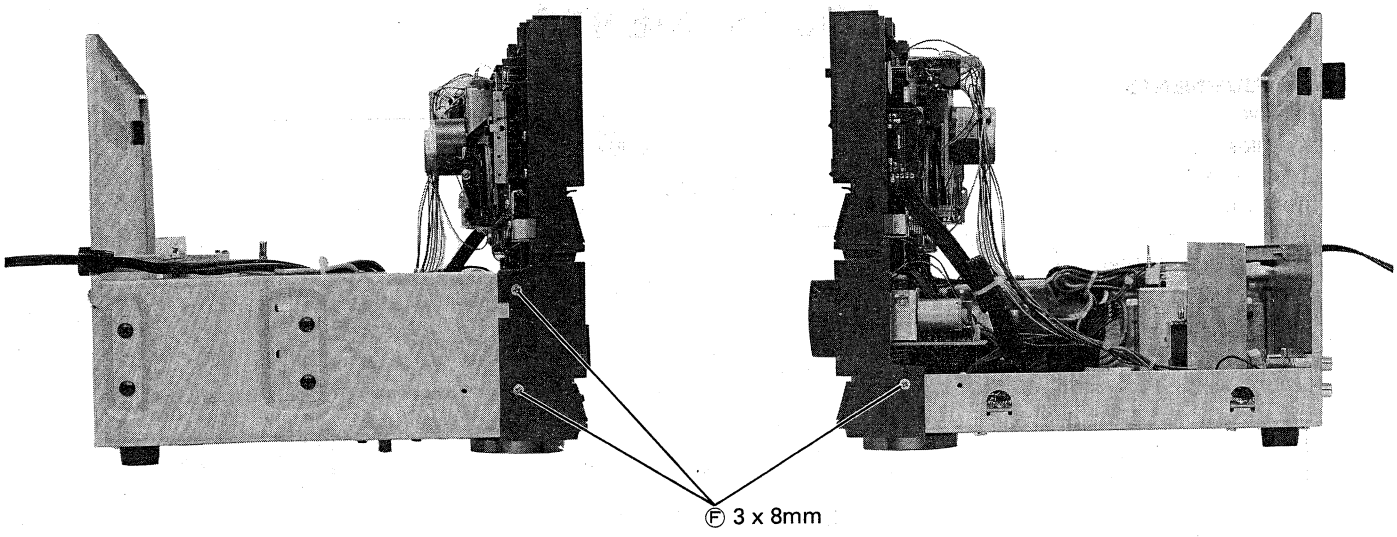


FRONT PANEL ASSEMBLY REMOVAL

1. Disconnect eight connectors Ⓓ.
2. Remove two screws Ⓔ and the front foot.
3. Remove three screws Ⓕ.

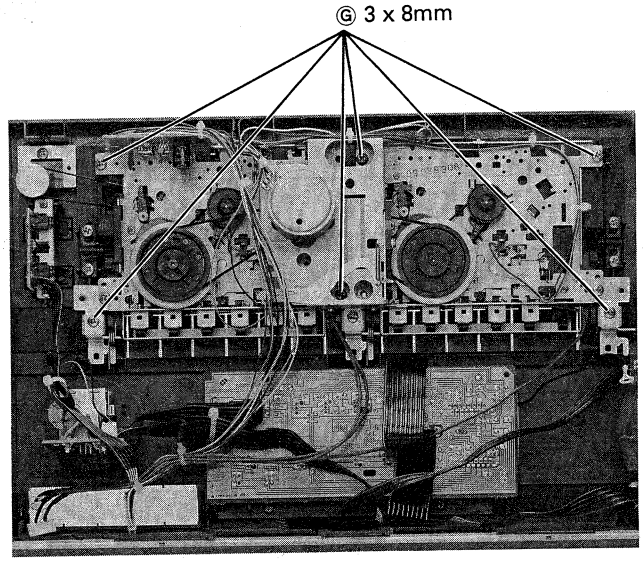






MECHANISM ASSEMBLY REMOVAL

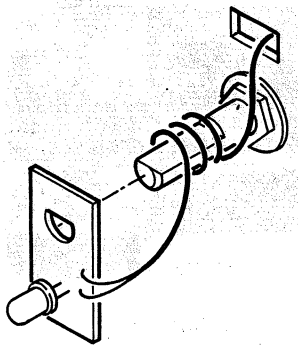
1. Open the cassette holders by pushing EJECT buttons.
2. Remove six screws Ⓖ.



VOLUME INDICATOR P.C. BOARD MOUNTING

1. Rotate the volume clockwise fully.
2. Wind the lead wire round the volume shaft clockwise three times.

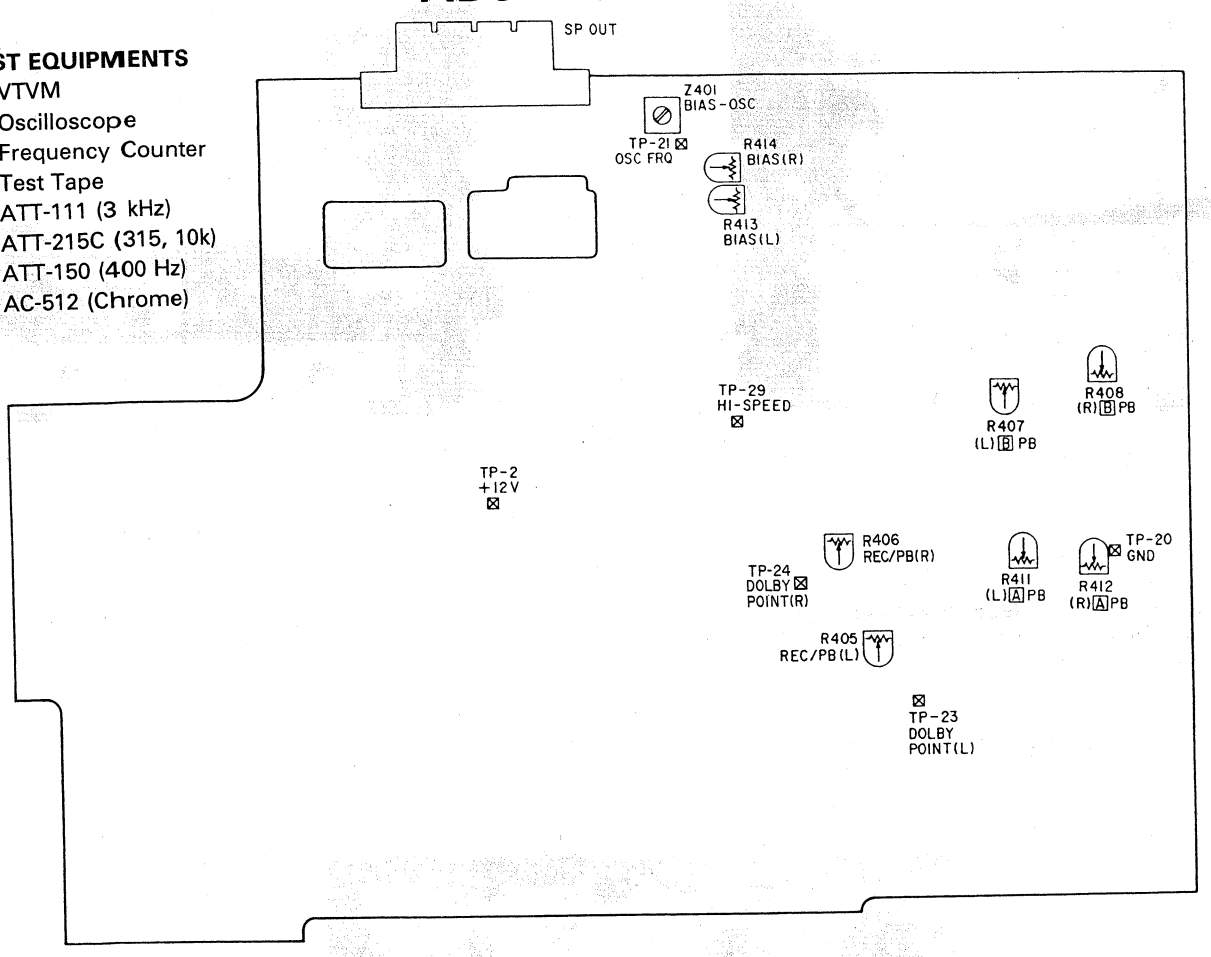
   Note: The lead wire should not be loose.



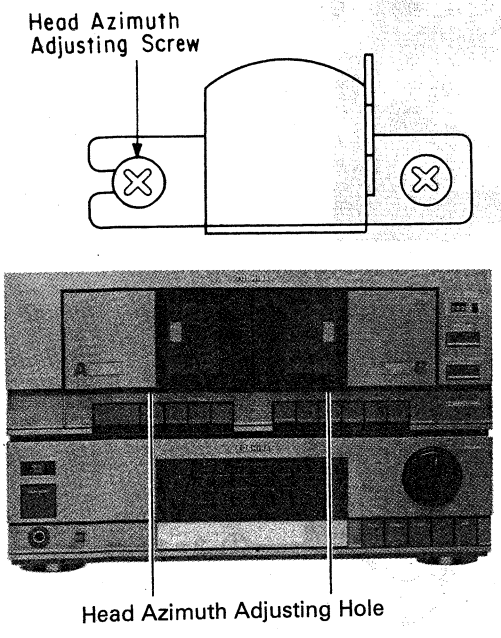
ADJUSTMENTS

TEST EQUIPMENTS

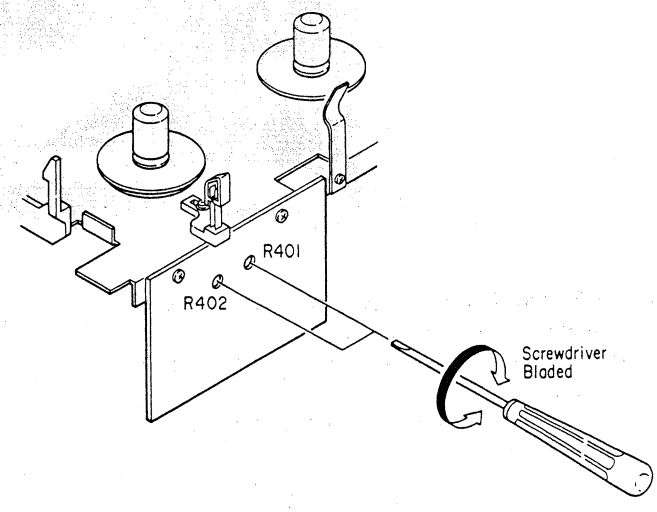
1. VTVM
2. Oscilloscope
3. Frequency Counter
4. Test Tape
   ATT-111 (3 kHz)
   ATT-215C (315, 10k)
   ATT-150 (400 Hz)
   AC-512 (Chrome)



1. R/P HEAD AZIMUTH ADJUSTMENT

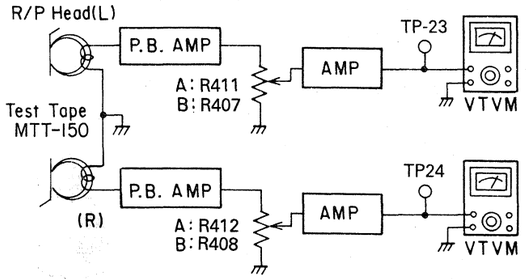


2. TAPE SPEED ADJUSTMENT

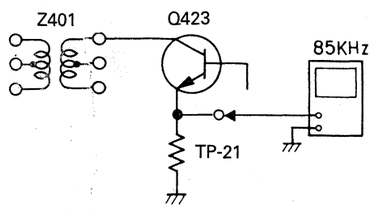


	Item	Reference Value	Tape	Volume			Switch		Adjustment Point	Test Point	Note
				Graphic Equalizer	Balance	Main	Dolby	Beat Proof			
1	Head Azimuth Adjustment [DECK A, DECK B]	L, R ch Peak	ATT-215C	Center	Center	Center	OFF	I	Head Screw	TP-23 TP-24	After adjustment apply screw lock at head screw. If L and R ch peak values are different, take the midium value.
2	Tape Speed Adjustment [DECK A, DECK B] High Speed	6000 ± 60 Hz	ATT-111	Center	Center	Center	OFF	I	R401	SP-OUT	After playback, short-circuit TP-29 (TP HI-SP) and TP-2 (+12V).
	Tape Speed Adjustment [DECK A, DECK B] Standard Speed	3000 ± 30 Hz	ATT-111	Center	Center	Center	OFF	I	R402	SP-OUT	
3	Playback Sensitivity Adjustment [DECK A, DECK B]	245mV ± 10mV	ATT-150	Center	Center	Center	OFF	I	B ← R407, 408 A ← R411, 412	TP-23 TP-24	DECK B should be adjusted after DECK A adjustment.
4	Osc. Frequency Adjustment [DECK B]	85 ± 0.5 kHz	AC-512	Center	Center	Center	OFF	I	Z401	TP-21	In the record mode.
5	Rec/Play Sensitivity Adjustment [DECK B]	Output ± 1 dB	AC-512	Center	Center	Center	OFF	I	R405, R406	SP OUT	333 Hz 500mV input from CD.
6	Rec/Play Frequency Response Adjustment [DECK B]	Output ± 5 dB	AC-512	Center	Center	Center	OFF	I	R413, R414	SP OUT	333 Hz — 10 kHz 50mV input from CD.

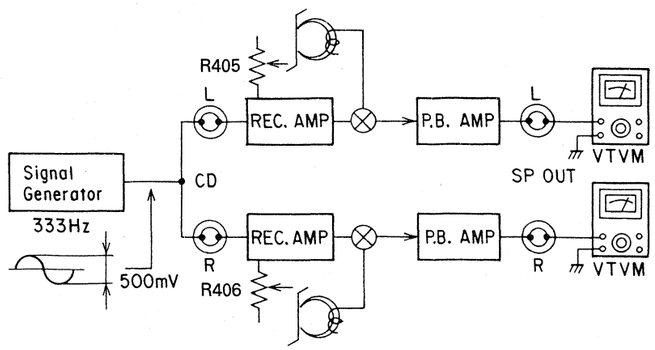
3. PLAYBACK SENSITIVITY ADJUSTMENT



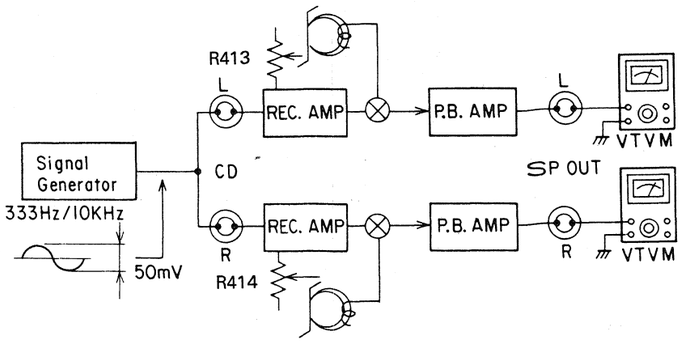
4. OSCILLATOR FREQUENCY ADJUSTMENT



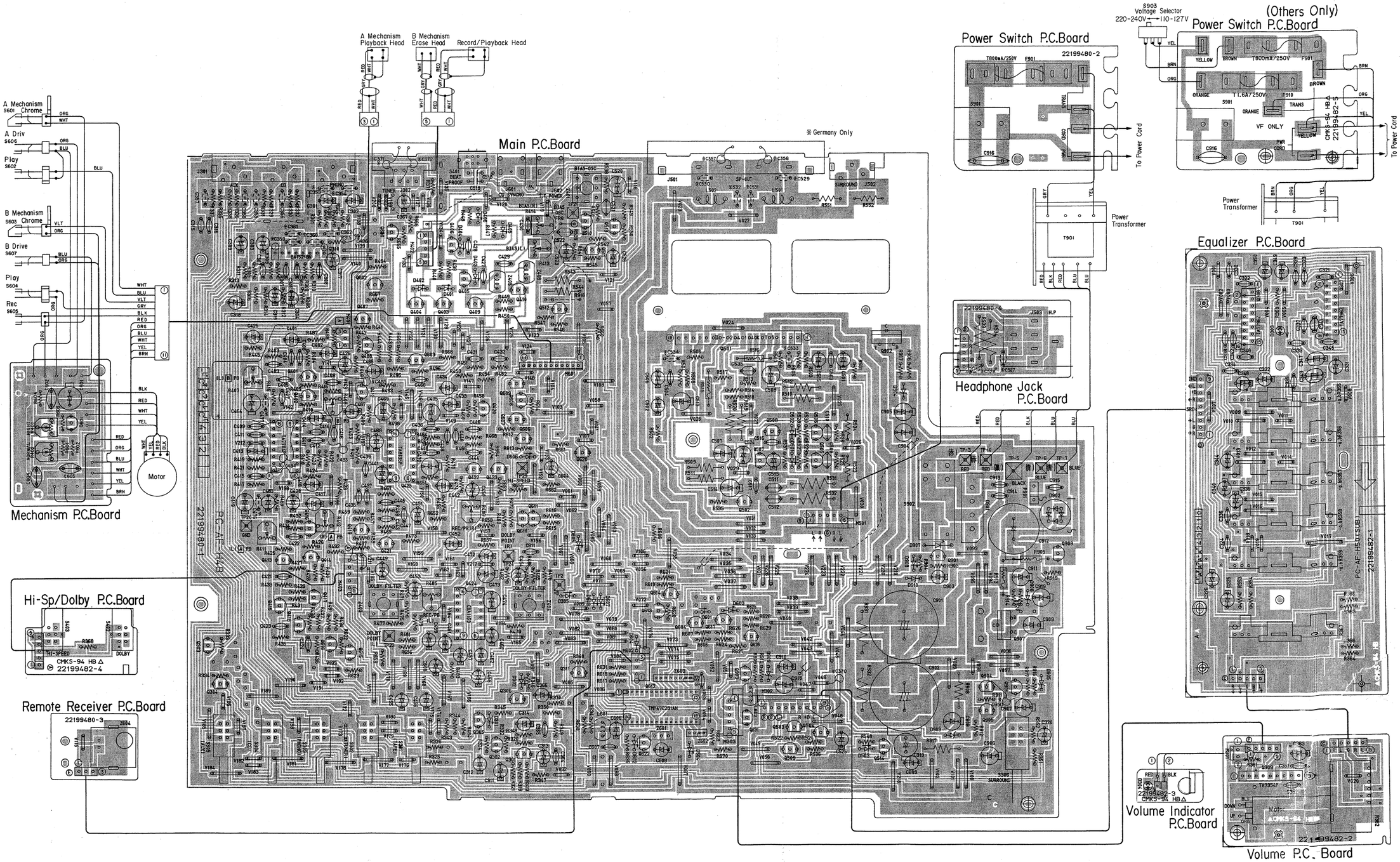
5. R/P SENSITIVITY ADJUSTMENT



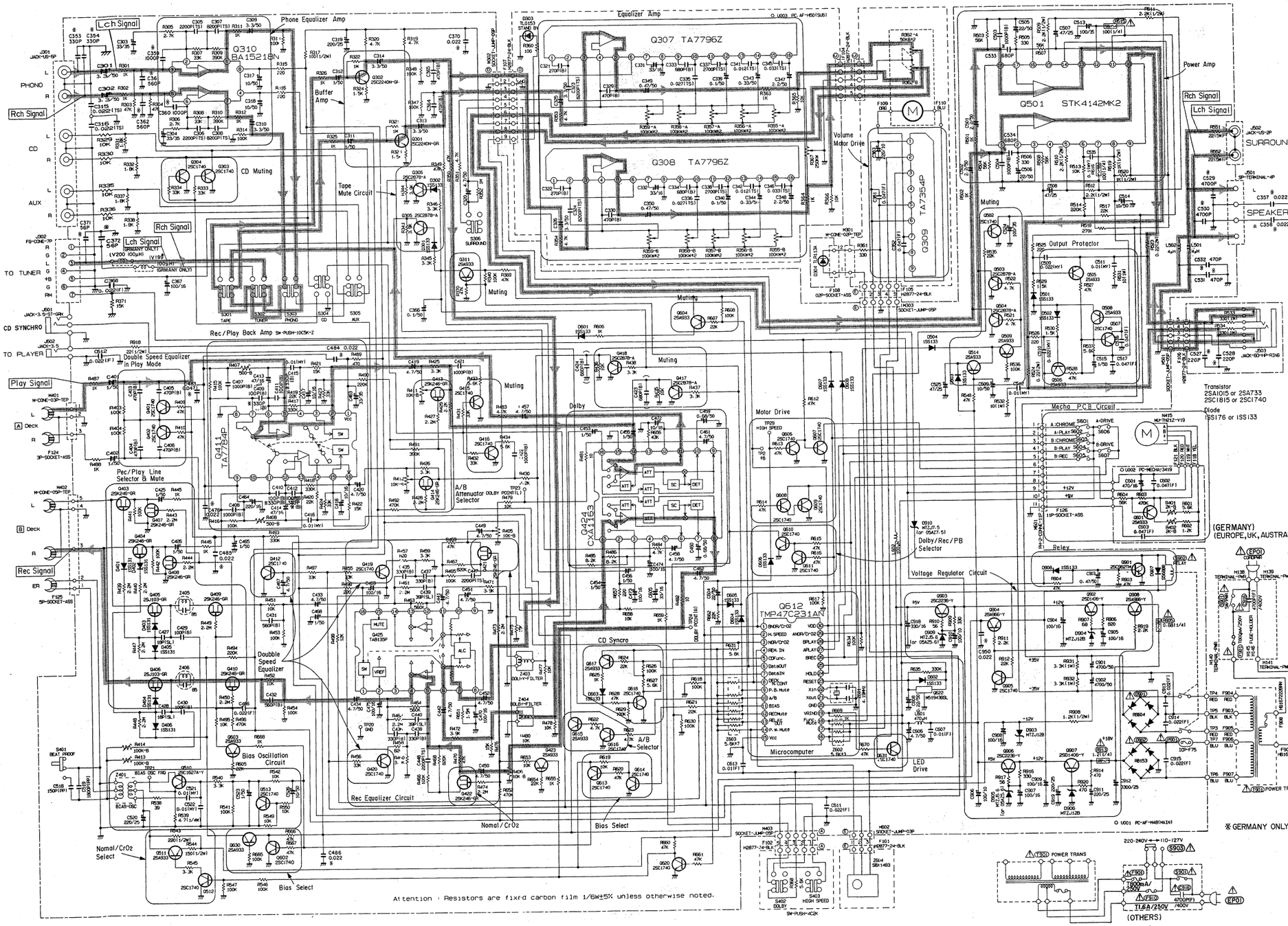
6. R/P FREQUENCY RESPONSE ADJUSTMENT



ELECTRICAL PARTS LOCATIONS



SCHEMATIC DIAGRAM



Q301,302

	H.SPEED
E	2.1V
C	2.1V 0.1V
B	2.6V 0V

Q303,304

	CD
E	0V
C	0V
B	0.7V −0.1V

Q305,306

	PLAY
E	0V
C	0V
B	0.7V 0.1

Q311

	Nor&PLAY
E	1.5V 5.1V
C	1.4V 0.1V
B	0.9V 4.7V

Q401,402

	H.SPEED
E	2.1V
C	2.1V 0.1V
B	2.6V 0V

Q403,404 Nor/CrO2

	REC
S	0V
G	0V −0V/−0.1V
D	0V

Q405,406 Nor/CrO2

	REC
S	0V
G	4.3V 4.7V/11.1V
D	0V

Q407,408

	REC
S	0V
G	−9.6V 0.5V
D	0V

Q409,410 Nor/CrO2

	REC
S	0V
G	−9.6V/0V 4V/0.3V
D	0V

Q412

	H.SPEED
E	0V
C	3.2V 0V
B	0V 0.6V

Q413,414

	B.PLAY
E	0V
C	0.4V −5.6V
B	0V

Q415,416

	H.SPEED
E	0V
C	0V
B	0V 0.6V

Q417,418

	PLAY
E	0V
C	0V
B	0.7V 0.1V

Q419,420

	H.SPEED
E	0V
C	0V
B	0V 0.6V

Q421,422

	B.Nor B.CrO2
S	2.4V 2.6V
G	−9.6V 2.4V
D	2.6V

Q423

	B.Nor B.CrO2
E	3.2V
C	−11.6V 3.2V
B	0V 2.6V

Q502

	Mute Amp Mute
E	0V
C	35V 0V
B	0V 0.1V

Q503,504

	Func.Mute
E	0V −0.3V
C	−36.7V 0V
B	0V 0.3V

Q505,506

	Output Mute
E	0V −0.3V
C	11.6V 2.7V/5.2V
B	0V 0.3V/0.1V

Q507

	Output Mute
E	−36.7V −0.1V
C	0V −0.1V
B	−36.7V 0V

Q508

	Output Mute	Mute Amp Mute
E	0V	0V
C	−36.8V	0V
B	0V	−0.6V

Q509

	Func.Mute
E	0.1V 1.9V
C	−0.3V 1.8V
B	0V 1.8V

Q510 Nor/CrO2

	REC
E	0V 0.2V/0.3V
C	11.6V 2.7V/5.2V
B	0V 0.3V/0.1V

Q511 PLAY/REC

	B.Nor B.CrO2
E	11.5V 11.2V/3.3V
C	11.9V 0.7V/1.2V
B	11.1V 10.8V/4.6V

Q512 PLAY/REC

	B.Nor B.CrO2
E	0V
C	11.1V/10.8V
B	0V 0.6V

Q513 Nor/CrO2

	Func.Mute (Nor/CrO2)	REC
E	11.4V	11.4V 1.8V
C	0.1V	1.9V 1.8V
B	11.6V	11.6V 1.3V

Q514

	Func.Mute (STAND BY)
E	1.8V
C	1.8V
B	1.3V

Q601 STOP/PLAY

E	11.5V/10.6V 10.5V
C	11.5V/10.5V 6.3V
B	11.1V/10.0V 10.0V

Q602

	REC
E	0V 0V
C	5.5V 0V
B	0V 0.6V

Q603

	REC
E	0V 10.2V
C	−11.6V 10.2V
B	0V 9.5V

Q604

E	5.3V
C	−0.3V
B	5.2V

Q605 STOP/PLAY,REC

	H.SPEED
E	0V
C	11.7V/11.4V 0.8V
B	0V/0.3V 1.4V

Q607 STOP/PLAY,REC

	H.SPEED
E	0V
C	10.8V/0V 0.8V
B	11.1V/1.4V 0.8V

Q608

	M.CONT
E	0.1V 0.7V
C	10.6V 0.8V
B	0V 1.4V

Q609

	M.CONT
E	0V
C	10.7V 0.8V
B	0.1V 0.8V

Q610

	B.REC	B.PLAY
E	0V	
C	11.3V 0V	11.3V
B	0V 0.6V	0.2V

Q611

	B.REC	B.PLAY	A.PLAY
E	0V		
C	0V	0.6V 0.2V	0V
B	0V	0.2V 0V	0.6V

Q613

	REC
E	0V 10.7V
C	11.5V
B	0V 11.2V

Q614

	REC
E	0V
C	0V 11.5V
B	0.6V 0V

Q615

	B.PLAY
E	11.6V
C	11.6V −2.6V
B	10.9V 11.1V

Q616

	B.PLAY
E	0V
C	0V 11.1V
B	0.7V 0V

Q617 Nor/CrO2

	REC
E	5.2V
C	−0.2V/−4.3V
B	5.2V

Q618

E	0V	0V
C	0V	
B	0V	

Q620

	B.Nor B.CrO2
E	0V
C	0V 3.4V
B	0.6V 0V

Q630

	REC
E	5.5V
C	5.5V −12.0V
B	4.9V 0V

Q631

	STAND BY
E	4.0V 0.3V
C	5.2V
B	4.6V 0.1V

H.SPEED=High Speed Dubbing

Q901

	ON	STAND BY
E	0V	
C	0.8V	10.2V
B	1.3V	0V

Q902

	ON	STAND BY
E	11.6V	5.2V
C	22.9V	11.6V
B	12.2V	5.8V

Q903

	ON	STAND BY
E	11.7V	
C	11.7V	0V
B	11.0V	22.1V

Q904

	ON	STAND BY
E	0V	
C	0V	22.6V
B	0.7V	0V

Q905

	ON	STAND BY
E	0V	
C	0V	0V
B	0.7V	0V

Q906

E	5.3V
C	11.7V
B	5.8V

Q907

E	11.7V
C	23.7V
B	12.3V

Q908

	ON	STAND BY
E	23.0V	23.7V
C	23.0V	23.6V
B	22.2V	23.2V

Q307,308

1	5.8V
2	4.5V
3	5.1V
4	5.1V
5	5.1V
6	10.3V
7	5.8V
8	0V
9	5.8V
10	4.5V
11	5.8V
12	4.5V
13	5.8V
14	4.5V
15	5.8V
16	4.5V

Q309

	STOP	UP	DOWN
1	5.2V	5.0V	5.0V
2	4.2V	4.2V	0V
3	4.2V	0V	4.2V
4	0V		
5	0V		
6	5.2V	5.0V	5.0V
7	0V	4.2V	0V
8	0V	0V	4.2V
9	0V		

Q310

1	0V
2	0V
3	0V
4	−11.2V
5	0V
6	0V
7	0V
8	10.7V

Q411

	B.PLAY	CrO2PLAY
1	9.3V	
2	2.1V	
3	1.5V	0V
4	2.1V	
5	2.1V	
6	2.1V	
7	2.1V	
8	0V	
9	2.1V	
10	0V	
11	2.1V	
12	2.1V	
13	2.1V	
14	2.1V	
15	0V	4.5V
16	2.1V	

Q424 Nor/CrO2

	OFF	ON
1	5.4V	
2	10.6V	
3	5.4V	
4	5.4V	
5	5.2V	0V
6	5.4V	
7	0.4V	
8	5.4V	
9	5.4V	
10	0.4V	
11	5.4V	
12	11.2V	
13	1.2V	
14	5.4V	
15	0V	
16	5.4V	

Q425

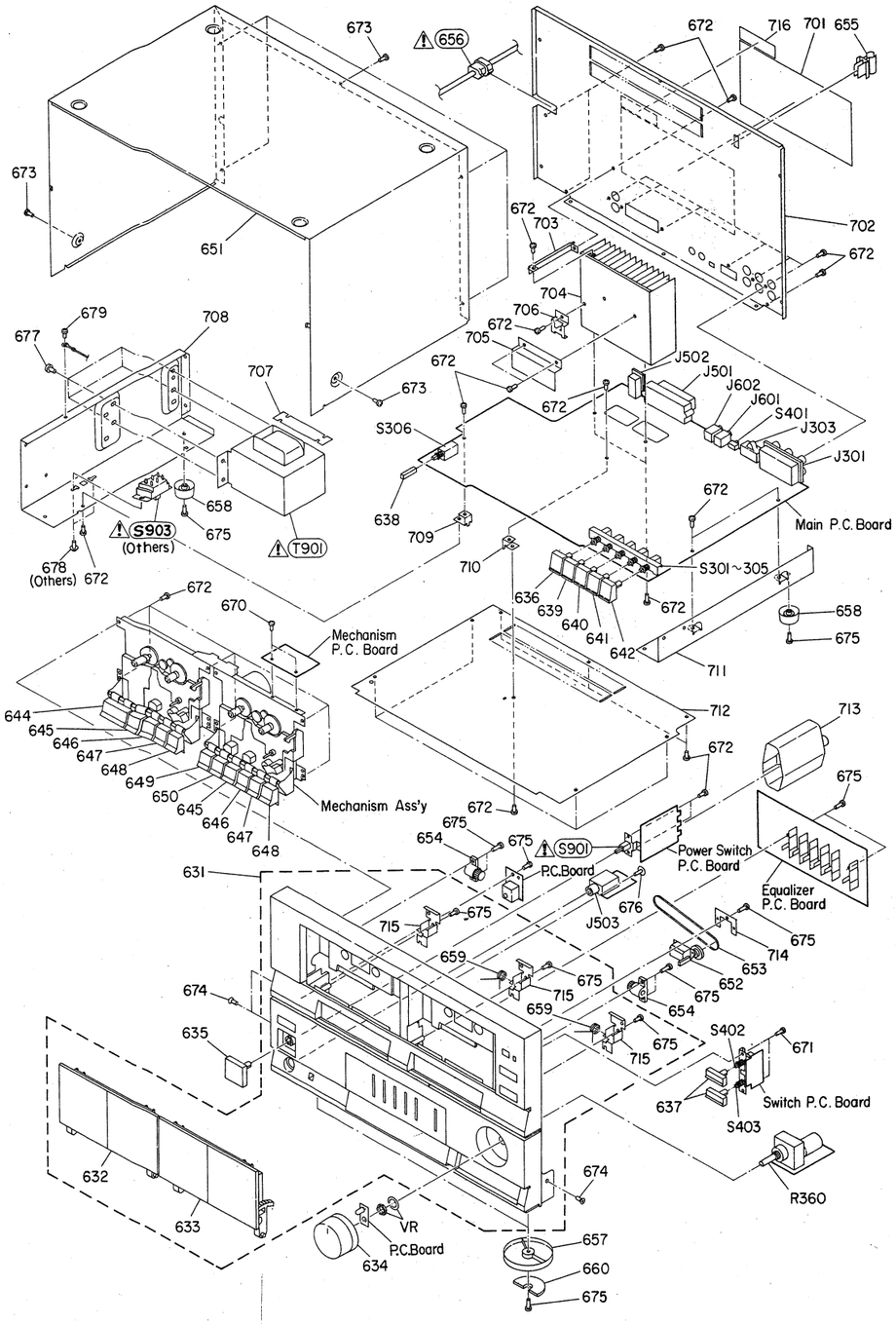
	REC
1	0V
2	2.7V
3	2.7V
4	2.7V
5	2.7V
6	2.7V
7	2.7V
8	0V
9	0V
10	2.7V
11	2.7V
12	2.7V
13	2.7V
14	2.7V
15	0V 1.9V
16	9.0V

Q501

1	0V
2	0V
3	0V
4	−34.0V
5	−1.3V
6	2.4V
7	−36.0V
8	−36.7V
9	−36.8V
10	0V
11	37.0V
12	35.1V
13	0V
14	−37.0V
15	−1.3V
16	0V
15	0V
16	0V

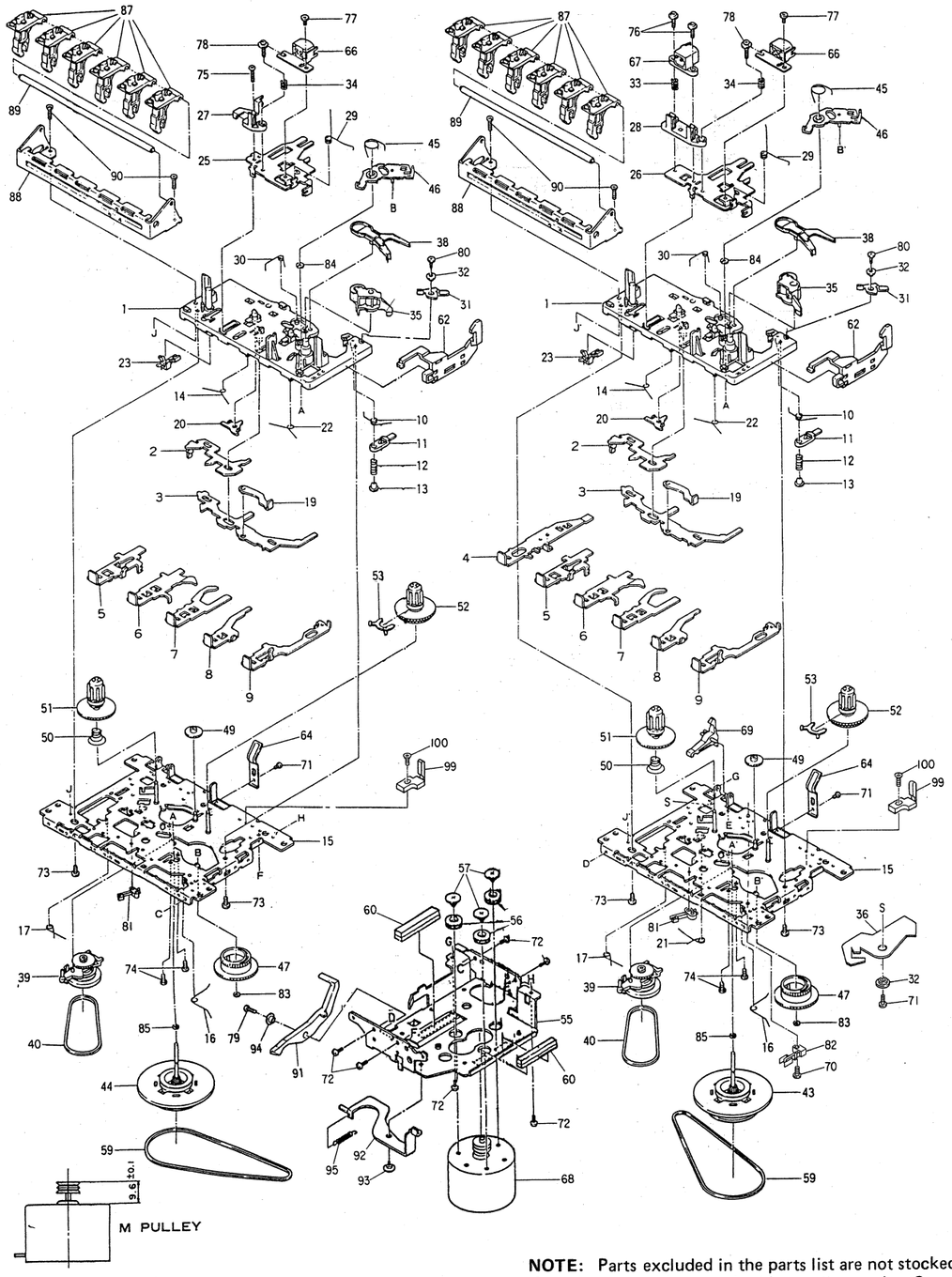
CAUTION:
The ⚠ mark, the symbol No. circled with oval in the schematic diagram and the shaded area in the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list.

CABINET EXPLODED VIEW



NOTE: Parts excluded in the parts list are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

MECHANISM EXPLODED VIEW



NOTE: Parts excluded in the parts list are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

MECHANISM PARTS LIST

Location No.	Part No.	Description
1	25733568	BASE ASSY, HEAD
2	25784773	ACTUATOR, SWITCH
3	25784774	ACTUATOR, PUSH BUTTON
4	25747464	LEVER, REC BUTTON
5	25747465	LEVER, PLAY BUTTON
6	25747466	LEVER, REW BUTTON
7	25747467	LEVER, FF BUTTON
8	25747468	LEVER, STOP BUTTON
9	25747497	LEVER, PAUSE BUTTON
10	25778800	SPRING
11	25784797	LEVER, PAUSE (E)
12	25778760	SPRING
13	25732391	STOPPER, PAUSE
14	25778719	SPRING
16	25778720	SPRING
17	25778721	SPRING
19	25784497	LEVER, E KICK
20	25784777	STOPPER, PR
21	25778761	SPRING
22	25778762	SPRING
23	22108209	SWITCH, LEAF
25	25784778	SLIDER, HEAD
26	25784779	SLIDER, HEAD
27	25733566	BASE, HEAD
28	25733570	BASE, HEAD
29	25778723	SPRING
30	25778724	SPRING
31	25784798	ARM
32	25753451	COLLAR
33	25777879	SPRING, ERASE HEAD
34	25777827	SPRING
35	25797301	ARM ASSY, PINCH ROLLER
36	25784799	ARM, REC
38	25747450	LEVER, SENSING
39	25797318	CLUTCH ASSY, RF
40	25759187	BELT, RF
43	25797319	FLYWHEEL ASSY
44	25797302	FLYWHEEL ASSY
45	25778725	SPRING
46	25784800	PLATE ASSY, GEAR
47	25757142	GEAR, CAM
49	25757145	GEAR, FF
50	25777890	SPRING, BACK TENSION
51	25712497	REEL ASSY, SUPPLY
52	25712498	REEL ASSY, TAKE-UP
53	25732389	LEVER, SENSOR
56	25767003	CUSHION, MOTOR
57	22708891	SCREW, SPECIAL
59	25759209	BELT, MAIN
60	25767021	FELT, ANTI-VIBRATION
62	25784780	LEVER, EJECT SLIDER
64	25779621	SPRING, PLATE, CASSETTE
66	22217558	HEAD, RECORD/PLAYBACK
67	22218326	HEAD, ERASE
68	25792553	MOTOR ASSY, MAIN, DC
69	25784729	LEVER, RECORD
70	22708245	SCREW, 2.0X5MM
71	22708523	SCREW, 2.0X3MM, Z, BID
72	22709392	SCREW, 2.0X4MM
73	22708040	SCREW, 2.0X5MM, Z, 12BID
74	22709340	SCREW, 2.0X4.5MM, SPECIAL
75	22709342	SCREW, 2.0X6MM, Z, PAN
76	22708527	SCREW, 2.0X8MM, Z, BID
77	22709341	SCREW, 2.0X3MM, Z, BID
78	22709408	SCREW, 2.0X7MM, Z
79	22707923	SCREW, 2.0X6MM, Z, DTBID
80	22709442	SCREW, 2.0X3.5MM, Z
81	22108269	SWITCH, LEAF
82	22108271	SWITCH, LEAF
83	25766579	WASHER, 1.2X3.8X0.3MM, PO
84	25766580	WASHER, 1.45X3.8X0.5MM, PO
85	25766581	WASHER, 2.0X3.5X0.3MM, PO
87	25784781	LEVER, OPERATION
90	22708373	SCREW, 2.0X8MM, Z, DTPAN
91	25784782	LEVER, P KICK
93	22709409	SCREW, 2.0X2.5X1MM, Z, FLT
94	25753440	COLLAR, (B)
95	25770282	SPRING, KICK LEVER
99	22108275	SWITCH, LEAF
100	22708194	SCREW, 2.0X5MM, Z

CABINET PARTS LIST

CAUTION:
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Location No.	Part No.	Description
631	22829146	PANEL ASSY, FRONT
632	25877263	HOLDER ASSY, CASSETTE A
633	25877264	HOLDER ASSY, CASSETTE B
634	22885183	KNOB ASSY, VOLUME
635	25888822	BUTTON, POWER
636	22885171	BUTTON, TAPE
637	22885172	BUTTON, DOLBY
638	22885173	BUTTON, SURROUND
639	22885177	BUTTON, TUNER
640	22885178	BUTTON, PHONO
641	22885179	BUTTON, CD
642	22885180	BUTTON, AUX
644	25784747	BUTTON, A PLAY
645	25784748	BUTTON, REW
646	25784749	BUTTON, FF
647	25784750	BUTTON, STOP
648	25784751	BUTTON, PAUSE
649	25784752	BUTTON, REC
650	25784753	BUTTON, B PLAY
651	20016080	TOP COVER
652	25873320	TAPE COUNTER
653	25759191	BELT, COUNTER
654	25889098	DAMPER
655	22757125	HOLDER, ANTENNA
⚠ 656	25844322	BUSHING, CORD

Location No.	Part No.	Description
657	22874109	FOOT FRONT
658	20842410	FOOT BACK
659	25775343	SPRING, EJECT
670	22707426	SCREW, 2.0X5MM, Z, DTBID
671	22708207	SCREW, 2.6X10MM, Z, 2DTBID
672	22707842	SCREW, 3.0X8MM, Z, 2DTBID
673	22707885	SCREW, 3.0X8MM, B, 2DTBID
674	22707909	SCREW, 3.0X8MM, Z, 2DTFLT
675	22707826	SCREW, 3.0X10MM, Z, 2DTBID
676	22708048	SCREW, 3.0X10MM, Z, TPAN
677	22707040	SCREW, 4.0X6MM, B, BID
678	22707456	SCREW, 3.0X8MM, B, FLDT (OTHERS)
679	22707445	SCREW, 3.0X8MM, Z, DTBID

PARTS LIST

CAUTION:
The ⚠ mark, the Location No. circled with oval in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list.

ABBREVIATIONS

1. **CAPACITOR:** CD = Ceramic Disk, PF = Plastic Film, BL = Barrier Layer, EL = Electrolytic, MY = Mylar, PP = Polypropylene, PS = Polystyrene, TT = Tantalum, PE = Polyethylene
   MFD = Microfarad, PF = Picofarad, V = Voltage, NP = Non Polarity
2. **RESISTOR:** CF = Carbon Film, CC = Carbon Composition, OMF = Oxide Metal Film, MF = Metal Film
   K = Kilo (1000), M = Mega (1000000)
3. **TOLERANCE**

Symbol	F	G	J	K	M	N	Z	P
%	±1	±2	±5	±10	±20	±30	−20+80	0+100

Symbol	C	D
pF	±0.25	±0.5

IC/TRANSISTORS

Location No.	Part No.	Description
Q301	A6325825	TRANSISTOR, 2SC2240-GR
Q302	A6325825	TRANSISTOR, 2SC2240-GR
Q303	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q304	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q305	A6342200	TRANSISTOR, 2SC2878-A
Q306	A6342200	TRANSISTOR, 2SC2878-A
Q307	B0358475	IC, TA7796Z
Q308	B0358475	IC, TA7796Z
Q309	B0325460	IC, TA7354P
Q310	22128721	IC, BA15218N
Q311	A6534060	TRANSISTOR, 2SA1015-GR OR 2SA933-S
Q401	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q402	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q403	A6044630	TRANSISTOR, 2SK246-GR, FET
Q404	A6044630	TRANSISTOR, 2SK246-GR, FET
Q405	A6040910	TRANSISTOR, 2SJ103-GR, FET
Q406	A6040910	TRANSISTOR, 2SJ103-GR, FET
Q407	A6044630	TRANSISTOR, 2SK246-GR, FET
Q408	A6044630	TRANSISTOR, 2SK246-GR, FET
Q409	A6044630	TRANSISTOR, 2SK246-GR, FET
Q410	A6044630	TRANSISTOR, 2SK246-GR, FET
Q411	B0358350	IC, TA7784P
Q413	A6044630	TRANSISTOR, 2SK246-GR, FET
Q414	A6044630	TRANSISTOR, 2SK246-GR, FET
Q415	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q416	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q417	A6342200	TRANSISTOR, 2SC2878-A
Q418	A6342200	TRANSISTOR, 2SC2878-A
Q419	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q420	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q421	A6044630	TRANSISTOR, 2SK246-GR, FET
Q422	A6044630	TRANSISTOR, 2SK246-GR, FET
Q423	A6534060	TRANSISTOR, 2SA1015-GR OR 2SA933-S
Q424	22128331	IC, CXA1163P
Q425	B0377810	IC, TA8135P
Q501	22128103	IC, STK4142II
Q502	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q503	A6342200	TRANSISTOR, 2SC2878-A
Q504	A6342200	TRANSISTOR, 2SC2878-A
Q505	A6534060	TRANSISTOR, 2SA1015-GR OR 2SA933-S
Q506	A6534060	TRANSISTOR, 2SA1015-GR OR 2SA933-S
Q507	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q508	A6534060	TRANSISTOR, 2SA1015-GR OR 2SA933-S
Q509	A6534060	TRANSISTOR, 2SA1015-GR OR 2SA933-S
Q510	A6314479	TRANSISTOR, 2SC1627A-Y(C)
Q511	A6534060	TRANSISTOR, 2SA1015-GR OR 2SA933-S
Q512	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q513	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q514	A6534060	TRANSISTOR, 2SA1015-GR OR 2SA933-S
Q601	A6534060	TRANSISTOR, 2SA1015-GR OR 2SA933-S
Q602	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q603	A6534060	TRANSISTOR, 2SA1015-GR OR 2SA933-S
Q604	A6534060	TRANSISTOR, 2SA1015-GR OR 2SA933-S
Q606	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q607	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S

Location No.	Part No.	Description
Q608	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q609	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q610	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q611	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q612	22128942	IC, TMP47C231AN-4958Z
Q613	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q614	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q615	A6534060	TRANSISTOR, 2SA1015-GR OR 2SA933-S
Q616	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q617	A6534060	TRANSISTOR, 2SA1015-GR OR 2SA933-S
Q618	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q622	22117892	IC, M51943BSL
Q630	A6534060	TRANSISTOR, 2SA1015-GR OR 2SA933-S
Q631	A6317460	TRANSISTOR, 2SC1815-GR 0R 2SC1740-S
Q901	A6753140	TRANSISTOR, 2SC982TM
Q902	A6868020	TRANSISTOR, 2SD1406-Y
Q903	A6325540	TRANSISTOR, 2SC2236-Y
Q904	A6533247	TRANSISTOR, 2SA966-Y(C)
Q905	A6317460	TRANSISTOR, 2SC1815-GR OR 2SC1740-S
Q906	A6325540	TRANSISTOR, 2SC2236-Y
Q907	A6868020	TRANSISTOR, 2SD1406-Y
Q908	A6533247	TRANSISTOR, 2SA966-Y(C)

DIODE

D301	22119531	DIODE, 1SS133T-77
D302	22119531	DIODE, 1SS133T-77
D303	A8612100	DIODE, TLO153, LED
D304	A8600607	DIODE, TLR113A, LED
D401	22119403	DIODE, 1SS131T-72
D402	22119403	DIODE, 1SS131T-72
D403	22119403	DIODE, 1SS131T-72
D404	22119403	DIODE, 1SS131T-72
D405	22119403	DIODE, 1SS131T-72
D406	22119403	DIODE, 1SS131T-72
D501	22119531	DIODE, 1SS133T-77
D502	22119531	DIODE, 1SS133T-77
D503	22119531	DIODE, 1SS133T-77
D504	22119531	DIODE, 1SS133T-77
D601	22119531	DIODE, 1SS133T-77
D602	22119531	DIODE, 1SS133T-77
D603	22119531	DIODE, 1SS133T-77
D604	22119531	DIODE, 1SS133T-77
D605	22119531	DIODE, 1SS133T-77
D607	22119531	DIODE, 1SS133T-77
D608	22119531	DIODE, 1SS133T-77
⚠D901	22119598	DIODE, RS604
⚠D902	22119599	DIODE, RB153
D903	A7113040	DIODE, 05AZ12-Y, ZENER OR MTZJ12B.T-72
D904	A7113040	DIODE, 05AZ12-Y, ZENER OR MTZJ12B.T-72
D905	A7112400	DIODE, 05AZ5.6-Y, ZENER
D906	A7113040	DIODE, 05AZ12-Y, ZENER OR MTZJ12B.T-72
D907	A7990200	DIODE, S5688B
D908	22119531	DIODE, 1SS133T-77
D909	A7112400	DIODE, 05AZ5.6-Y, ZENER OR MTJ5.6C
D910	A7112640	DIODE, 05AZ7.5-Y, ZENER OR MT7.5C

ELECTRICAL PARTS

⚠EP01	22176125	POWER CORD (OTHERS)
⚠EP01	22176286	POWER CORD (EUROPE,GERMANY)
⚠EP01	22176588	POWER CORD (AUSTRALIA)
⚠EP01	22176628	POWER CORD (UK)
EP02	22165047	HOLDER, FUSE
⚠ F901	22144387	FUSE, T800MA, 250V (EURO,GERM,AUST, OTH)
⚠ F901	22144513	FUSE, T800MA, 250V (UK)
⚠ F910	22144293	FUSE, T1.6A, 250V (OTHERS)
J301	22198417	JACK, US-6P PHONO/CD/AUX
J302	22186626	SOCKET, 7P, CONNECTOR TUNER
J501	22162584	TERMINAL, 4P, SPEAKER
J502	22198012	JACK, US-2P (EUR,UK,AUS,OTH)
J502	22198295	JACK, US-2P (GERMANY)
J503	22198422	JACK, 6.0MM, HEADPHONE
J601	22198236	JACK, 3.5MM CD/SYNCHRO
J602	22198212	JACK, 3.5MM PLAYER POWER
L501	22210152	COIL, CHOKE, 4UH
L502	22210152	COIL, CHOKE, 4UH

Location No.	Part No.	Description
L601	22291502	COIL, CHOKE, 470UH
L602	22291191	COIL, CHOKE, 100UH
⚠P901	22118223	IC PROTECTOR, ICP-F75-2.7A
S301	22108206	SWITCH, PUSH TAPE
S302	22108206	SWITCH, PUSH TUNER
S303	22108206	SWITCH, PUSH PHONO
S304	22108206	SWITCH, PUSH CD
S305	22108206	SWITCH, PUSH AUX
S306	22108208	SWITCH, PUSH SURROUND
S401	22108214	SWITCH, SLIDE BEAT
S402	22108207	SWITCH, PUSH DOLBY
S403	22108207	SWITCH, PUSH SPEED
S601	22108275	SWITCH, LEAF A CHROME
S602	22108269	SWITCH, LEAF A PLAY
S603	22108275	SWITCH, LEAF B CHROME
S604	22108269	SWITCH, LEAF B PLAY
S605	22108271	SWITCH, LEAF REC
S606	22108209	SWITCH, LEAF A DRIVE
S607	22108209	SWITCH, LEAF B DRIVE
⚠S901	22108262	SWITCH, PUSH, POWER (EURO,GERM,AUST,OTHE)
⚠S901	22196952	SWITCH, PUSH, POWER (UK)
⚠S902	22148149	RELAY, DC12V
⚠S903	22196111	SWITCH, SLIDE VOLTAGE(OTHERS)
⚠T901	22225152	POWER TRANSFORMER (UK)
⚠T901	22225195	POWER TRANSFORMER (EUROPE,GERMANY)
⚠T901	22225196	POWER TRANSFORMER (AUSTRALIA)
⚠T901	22225198	POWER TRANSFORMER (OTHERS)
V199	22291191	COIL, CHOKE, 100UH (GERMANY)
V200	22291191	COIL, CHOKE, 100UH (GERMANY)
Z401	22235274	COIL, OSCILLATOR
Z403	22153278	FILTER, DOLBY W
Z404	22153278	FILTER, DOLBY W
Z405	22153229	FILTER, BIAS TRAP, 85KHZ
Z406	22153229	FILTER, BIAS TRAP, 85KHZ
Z601	22153443	OSCILLATOR, CERAMIC, 4.19MHZ
Z602	20540107	RESISTOR ARRAY, 5.6K OHM X 3
Z603	20540056	RESISTOR ARRAY, 5.6K OHM X 7
Z604	22128456	IC, SBX1483-52

CAPACITORS

Location No.	Part No.	Description
C301	20418339	EL, 3.3MFD, 50V
C302	20418339	EL, 3.3MFD, 50V
C303	20417330	EL, 33MFD, 35V
C304	20417330	EL, 33MFD, 35V
C305	20318222	BL, 2200PF, 25V, K
C306	20318222	BL, 2200PF, 25V, K
C307	20318822	BL, 8200PF, 25V, K
C308	20318822	BL, 8200PF, 25V, K
C309	20418339	EL, 3.3MFD, 50V
C310	20418339	EL, 3.3MFD, 50V
C311	20418109	EL, 1MFD, 50V
C312	20418109	EL, 1MFD, 50V
C313	20418339	EL, 3.3MFD, 50V
C314	20418339	EL, 3.3MFD, 50V
C315	20318223	BL, 0.022MFD, 25V, K
C316	20318223	BL, 0.022MFD, 25V, K
C317	20418100	EL, 10MFD, 50V
C318	20418100	EL, 10MFD, 50V
C319	20416221	EL, 220MFD, 25V
C320	20418479	EL, 4.7MFD, 50V
C321	20343271	CD, 270PF, 50V, K
C322	20343271	CD, 270PF, 50V, K
C323	20318822	BL, 8200PF, 25V, K
C324	20318822	BL, 8200PF, 25V, K
C325	20418339	EL, 3.3MFD, 50V
C326	20418339	EL, 3.3MFD, 50V
C327	20343681	CD, 680PF, 50V, K
C328	20343681	CD, 680PF, 50V, K
C329	20343471	CD, 470PF, 50V, K
C330	20343471	CD, 470PF, 50V, K
C331	20415330	EL, 33MFD, 16V
C332	20415330	EL, 33MFD, 16V
C333	20343681	CD, 680PF, 50V, K
C334	20343681	CD, 680PF, 50V, K
C335	20318273	BL, 0.027MFD, 25V, K
C336	20318273	BL, 0.027MFD, 25V, K
C337	20318272	BL, 2700PF, 25V, K
C338	20318272	BL, 2700PF, 25V, K
C339	20418109	EL, 1MFD, 50V
C340	20418109	EL, 1MFD, 50V
C341	20318123	BL, 0.012MFD, 25V, K
C342	20318123	BL, 0.012MFD, 25V, K
C343	20418338	EL, 0.33MFD, 50V
C344	20418338	EL, 0.33MFD, 50V
C345	20318333	BL, 0.033MFD, 25V, K

Location No.	Part No.	Description
C346	20318333	BL, 0.033MFD, 25V, K
C347	20418229	EL, 2.2MFD, 50V
C348	20418229	EL, 2.2MFD, 50V
C349	20418478	EL, 0.47MFD, 50V
C350	20418478	EL, 0.47MFD, 50V
C351	20341473	CD, 0.047MFD, 50V, Z
C352	20341473	CD, 0.047MFD, 50V, Z
C355	20343331	CD, 330PF, 50V, K
C356	20343331	CD, 330PF, 50V, K
C357	20343331	CD, 330PF, 50V, K
C358	20343331	CD, 330PF, 50V, K
C359	20343102	CD, 1000PF, 50V, K (GERMANY)
C360	20343102	CD, 1000PF, 50V, K (GERMANY)
C361	20343561	CD, 560PF, 50V, K (GERMANY)
C362	20343561	CD, 560PF, 50V, K (GERMANY)
C363	20414221	EL, 220MFD, 10V
C364	20343471	CD, 470PF, 50V, K
C365	20343471	CD, 470PF, 50V, K
C366	20418108	EL, 0.1MFD, 50V
C370	20341223	CD, 0.022MFD, 50V, Z (GERMANY)
C371	20311560	CD, 56PF, 50V, J (GERMANY)
C372	20311560	CD, 56PF, 50V, J (GERMANY)
C401	20418108	EL, 0.1MFD, 50V
C402	20418108	EL, 0.1MFD, 50V
C403	20343471	CD, 470PF, 50V, K
C404	20343471	CD, 470PF, 50V, K
C405	20343471	CD, 470PF, 50V, K
C406	20343471	CD, 470PF, 50V, K
C407	20343102	CD, 1000PF, 50V, K
C408	20343102	CD, 1000PF, 50V, K
C409	20343101	CD, 100PF, 50V, K (EUR,UK,AUS,OTH)
C409	20343331	CD, 330PF, 50V, K (GERMANY)
C410	20343101	CD, 100PF, 50V, K (EUR,UK,AUS,OTH)
C410	20343331	CD, 330PF, 50V, K (GERMANY)
C411	20343101	CD, 100PF, 50V, K (EUR,UK,AUS,OTH)
C411	20343331	CD, 330PF, 50V, K (GERMANY)
C412	20343101	CD, 100PF, 50V, K (EUR,UK,AUS,OTH)
C412	20343331	CD, 330PF, 50V, K (GERMANY)
C413	20415470	EL, 47MFD, 16V
C414	20415470	EL, 47MFD, 16V

Location No.	Part No.	Description
C415	20371103	MY, 0.01MFD, 50V, J
C416	20371103	MY, 0.01MFD, 50V, J
C417	20415100	EL, 10MFD, 16V
C418	20415100	EL, 10MFD, 16V
C419	20418479	EL, 4.7MFD, 50V
C420	20418479	EL, 4.7MFD, 50V
C421	20343102	CD, 1000PF, 50V, K
C422	20343102	CD, 1000PF, 50V, K
C423	20343681	CD, 680PF, 50V, K (EUR,UK,AUS,OTH)
C424	20343681	CD, 680PF, 50V, K (EUR,UK,AUS,OTH)
C425	20418109	EL, 1MFD, 50V
C426	20418109	EL, 1MFD, 50V
C427	20311180	CD, 18PF, 50V, J
C428	20311180	CD, 18PF, 50V, J
C429	20343101	CD, 100PF, 50V, K
C430	20343101	CD, 100PF, 50V, K
C431	20343561	CD, 560PF, 50V, K
C432	20343561	CD, 560PF, 50V, K
C433	20418479	EL, 4.7MFD, 50V
C434	20418479	EL, 4.7MFD, 50V
C435	20343331	CD, 330PF, 50V, K
C436	20343331	CD, 330PF, 50V, K
C437	20343331	CD, 330PF, 50V, K
C438	20343331	CD, 330PF, 50V, K
C439	20311390	CD, 39PF, 50V, J
C440	20311390	CD, 39PF, 50V, J
C441	20418479	EL, 4.7MFD, 50V
C442	20418479	EL, 4.7MFD, 50V
C447	20318222	BL, 2200PF, 25V, K
C448	20343221	CD, 220PF, 50V, K
C449	20418479	EL, 4.7MFD, 50V
C450	20418479	EL, 4.7MFD, 50V
C451	20418479	EL, 4.7MFD, 50V
C452	20418479	EL, 4.7MFD, 50V
C453	20418109	EL, 1MFD, 50V
C454	20418109	EL, 1MFD, 50V
C455	20418109	EL, 1MFD, 50V
C456	20418109	EL, 1MFD, 50V
C457	20418479	EL, 4.7MFD, 50V
C458	20418479	EL, 4.7MFD, 50V
C459	22480008	EL, 0.68MFD, 50V
C460	22480008	EL, 0.68MFD, 50V
C461	20418479	EL, 4.7MFD, 50V
C462	20418479	EL, 4.7MFD, 50V
C463	20416330	EL, 33MFD, 25V
C464	20415221	EL, 220MFD, 16V
C465	20418109	EL, 1MFD, 50V
C466	20371223	MY, 0.022MFD, 50V, J
C467	20418479	EL, 4.7MFD, 50V
C468	20418109	EL, 1MFD, 50V
C469	20415101	EL, 100MFD, 16V
C470	20415101	EL, 100MFD, 16V
C472	20415100	EL, 10MFD, 16V

Location No.	Part No.	Description
C473	20415101	EL, 100MFD, 16V
C474	20415101	EL, 100MFD, 16V
C475	20415101	EL, 100MFD, 16V
C476	20341223	CD, 0.022MFD, 50V, Z (GERMANY)
C477	20341223	CD, 0.022MFD, 50V, Z (GERMANY)
C483	20341473	CD, 0.047MFD, 50V, Z (GERMANY)
C484	20341223	CD, 0.022MFD, 50V, Z (GERMANY)
C485	20341223	CD, 0.022MFD, 50V, Z (GERMANY)
C486	20341223	CD, 0.022MFD, 50V, Z (GERMANY)
C501	20418229	EL, 2.2MFD, 50V
C502	20418229	EL, 2.2MFD, 50V
C503	20343102	CD, 1000PF, 50V, K
C504	20343102	CD, 1000PF, 50V, K
C505	20418220	EL, 22MFD, 50V
C506	20418220	EL, 22MFD, 50V
C507	20416470	EL, 47MFD, 25V
C508	20416470	EL, 47MFD, 25V
C509	20341223	CD, 0.022MFD, 50V, Z
C510	20341223	CD, 0.022MFD, 50V, Z
C511	20371103	MY, 0.01MFD, 50V, J
C512	20371103	MY, 0.01MFD, 50V, J
C513	20417101	EL, 100MFD, 35V
C514	20418100	EL, 10MFD, 50V
C515	20418109	EL, 1MFD, 50V
C516	20341473	CD, 0.047MFD, 50V, Z
C517	20341473	CD, 0.047MFD, 50V, Z
C518	20381151	PP, 150PF, 100V, J
C519	20381182	PP, 1800PF, 100V, J
C520	20416221	EL, 220MFD, 25V
C521	20371103	MY, 0.01MFD, 50V, J
C522	20371103	MY, 0.01MFD, 50V, J
C523	20418109	EL, 1MFD, 50V
C524	20417101	EL, 100MFD, 35V
C525	20418109	EL, 1MFD, 50V
C526	20418100	EL, 10MFD, 50V
C527	20343221	CD, 220PF, 50V, K (GERMANY)
C528	20343221	CD, 220PF, 50V, K (GERMANY)
C529	20343472	CD, 4700PF, 50V, K (GERMANY)
C530	20343472	CD, 4700PF, 50V, K (GERMANY)
C531	20343471	CD, 470PF, 50V, K (GERMANY)
C532	20343471	CD, 470PF, 50V, K (GERMANY)
C533	20343331	CD, 330PF, 50V, K (GERMANY)
C533	20343681	CD, 680PF, 50V, K (GERMANY)
C534	20343331	CD, 330PF, 50V, K (GERMANY)
C534	20343681	CD, 680PF, 50V, K (GERMANY)
C535	20371104	MY, 0.1MFD, 50V, J
C537	20341223	CD, 0.022MFD, 50V, Z (GERMANY)
C538	20341223	CD, 0.022MFD, 50V, Z (GERMANY)
C601	20415471	EL, 470MFD, 16V
C602	20341473	CD, 0.047MFD, 50V, Z
C604	20418220	EL, 22MFD, 50V
C605	20415330	EL, 33MFD, 16V
C606	20418479	EL, 4.7MFD, 50V
C607	20341103	CD, 0.01MFD, 50V, Z
C608	20418228	EL, 0.22MFD, 50V
C609	20415100	EL, 10MFD, 16V
C611	20341223	CD, 0.022MFD, 50V, Z
C901	20410068	EL, 4700MFD, 50V
C902	20410068	EL, 4700MFD, 50V
C903	20418478	EL, 0.47MFD, 50V
C904	20415101	EL, 100MFD, 16V
C905	20415101	EL, 100MFD, 16V
C906	20414101	EL, 100MFD, 10V
C907	20415101	EL, 100MFD, 16V
C908	20415101	EL, 100MFD, 16V
C909	20415101	EL, 100MFD, 16V
C910	20415101	EL, 100MFD, 16V
C911	20415221	EL, 220MFD, 16V
C912	20416332	EL, 3300MFD, 25V
C913	20341223	CD, 0.022MFD, 50V, Z
C914	20341223	CD, 0.022MFD, 50V, Z
C915	20341223	CD, 0.022MFD, 50V, Z
⚠C916	22340226	CD, 4700PF, 400V, M (EU,GER,AUS,OTH)
⚠C916	22340229	CD, 4700PF, 400V, M (UK)
C917	20415331	EL, 330MFD, 16V
C919	20416221	EL, 220MFD, 25V
C950	20341223	CD, 0.022MFD, 50V, Z (GERMANY)

RESISTORS

R301	20512102	CF, 1K OHM, 1/6W, J
R302	20512102	CF, 1K OHM, 1/6W, J
R303	20512473	CF, 47K OHM, 1/6W, J
R304	20512473	CF, 47K OHM, 1/6W, J
R305	20512272	CF, 2.7K OHM, 1/6W, J
R306	20512272	CF, 2.7K OHM, 1/6W, J
R307	20512333	CF, 33K OHM, 1/6W, J
R308	20512333	CF, 33K OHM, 1/6W, J

Location No.	Part No.	Description
R309	20512394	CF, 390K OHM, 1/6W, J
R310	20512394	CF, 390K OHM, 1/6W, J
R311	20512102	CF, 1K OHM, 1/6W, J
R312	20512102	CF, 1K OHM, 1/6W, J
R313	20512104	CF, 100K OHM, 1/6W, J
R314	20512104	CF, 100K OHM, 1/6W, J
R315	20512221	CF, 220 OHM, 1/6W, J
R316	20512221	CF, 220 OHM, 1/6W, J
R317	20516101	CF, 100 OHM, 1/2W, J
R319	20512472	CF, 4.7K OHM, 1/6W, J
R320	20512472	CF, 4.7K OHM, 1/6W, J
R321	20512105	CF, 1M OHM, 1/6W, J
R322	20512105	CF, 1M OHM, 1/6W, J
R323	20512152	CF, 1.5K OHM, 1/6W, J
R324	20512152	CF, 1.5K OHM, 1/6W, J
R325	20512102	CF, 1K OHM, 1/6W, J
R326	20512102	CF, 1K OHM, 1/6W, J
R329	20512103	CF, 10K OHM, 1/6W, J
R330	20512103	CF, 10K OHM, 1/6W, J
R331	20512182	CF, 1.8K OHM, 1/6W, J
R332	20512182	CF, 1.8K OHM, 1/6W, J
R333	20512333	CF, 33K OHM, 1/6W, J
R334	20512333	CF, 33K OHM, 1/6W, J
R335	20512103	CF, 10K OHM, 1/6W, J
R336	20512103	CF, 10K OHM, 1/6W, J
R337	20512182	CF, 1.8K OHM, 1/6W, J
R338	20512182	CF, 1.8K OHM, 1/6W, J
R340	20512104	CF, 100K OHM, 1/6W, J
R343	20512392	CF, 3.9K OHM, 1/6W, J
R344	20512392	CF, 3.9K OHM, 1/6W, J
R345	20512332	CF, 3.3K OHM, 1/6W, J
R346	20512332	CF, 3.3K OHM, 1/6W, J
R347	20512104	CF, 100K OHM, 1/6W, J
R348	20512104	CF, 100K OHM, 1/6W, J
R349	20512473	CF, 47K OHM, 1/6W, J
R350	20512473	CF, 47K OHM, 1/6W, J
R351	20512472	CF, 4.7K OHM, 1/6W, J
R352	20512105	CF, 1M OHM, 1/6W, J
R353	20512472	CF, 4.7K OHM, 1/6W, J
R354	20512472	CF, 4.7K OHM, 1/6W, J
R355	22657546	VARIABLE, 100K OHM, W 63HZ
R356	22657546	VARIABLE, 100K OHM, W 250HZ
R357	22657546	VARIABLE, 100K OHM, W 1KHZ
R358	22657546	VARIABLE, 100K OHM, W 4KHZ
R359	22657546	VARIABLE, 100K OHM, W 12KHZ
R360	20512101	CF, 100 OHM, 1/6W, J
R361	20512561	CF, 560 OHM, 1/6W, J
R362	22651713	VARIABLE, 50K OHM, B VOLUME
R363	20512102	CF, 1K OHM, 1/6W, J
R364	20512102	CF, 1K OHM, 1/6W, J
R365	20512103	CF, 10K OHM, 1/6W, J
R366	20512103	CF, 10K OHM, 1/6W, J
R367	22657547	VARIABLE, 250K OHM, W
R368	20512562	CF, 5.6K OHM, 1/6W, J
R369	20512473	CF, 47K OHM, 1/6W, J
R370	20512473	CF, 47K OHM, 1/6W, J
R401	22658758	VARIABLE, SEMI FIXED, 2K-B
R402	22658758	VARIABLE, SEMI FIXED, 2K-B
R403	20512104	CF, 100K OHM, 1/6W, J
R404	20512104	CF, 100K OHM, 1/6W, J
R405	22658761	VARIABLE, SEMI FIXED, 10K-B
R406	22658761	VARIABLE, SEMI FIXED, 10K-B
R407	22658756	VARIABLE, SEMI FIXED, 500-B
R408	22658756	VARIABLE, SEMI FIXED, 500-B
R409	20512473	CF, 47K OHM, 1/6W, J
R410	20512473	CF, 47K OHM, 1/6W, J
R411	22658761	VARIABLE, SEMI FIXED, 10K-B
R412	22658761	VARIABLE, SEMI FIXED, 10K-B
R413	22658765	VARIABLE, SEMI FIXED, 100K-B
R414	22658765	VARIABLE, SEMI FIXED, 100K-B
R415	20512104	CF, 100K OHM, 1/6W, J
R416	20512104	CF, 100K OHM, 1/6W, J
R417	20512334	CF, 330K OHM, 1/6W, J
R418	20512334	CF, 330K OHM, 1/6W, J
R419	20512223	CF, 22K OHM, 1/6W, J
R420	20512223	CF, 22K OHM, 1/6W, J
R421	20512153	CF, 15K OHM, 1/6W, J
R422	20512153	CF, 15K OHM, 1/6W, J
R423	20512333	CF, 33K OHM, 1/6W, J
R424	20512333	CF, 33K OHM, 1/6W, J
R425	20512332	CF, 3.3K OHM, 1/6W, J
R426	20512332	CF, 3.3K OHM, 1/6W, J
R427	20512225	CF, 2.2M OHM, 1/6W, J
R428	20512225	CF, 2.2M OHM, 1/6W, J
R429	20512222	CF, 2.2K OHM, 1/6W, J
R430	20512222	CF, 2.2K OHM, 1/6W, J
R431	20512333	CF, 33K OHM, 1/6W, J
R432	20512333	CF, 33K OHM, 1/6W, J
R433	20512562	CF, 5.6K OHM, 1/6W, J
R434	20512562	CF, 5.6K OHM, 1/6W, J
R435	20512103	CF, 10K OHM, 1/6W, J
R436	20512103	CF, 10K OHM, 1/6W, J
R437	20512332	CF, 3.3K OHM, 1/6W, J
R438	20512332	CF, 3.3K OHM, 1/6W, J
R439	20512225	CF, 2.2M OHM, 1/6W, J
R440	20512225	CF, 2.2M OHM, 1/6W, J
R441	20512104	CF, 100K OHM, 1/6W, J
R442	20512104	CF, 100K OHM, 1/6W, J
R443	20512225	CF, 2.2M OHM, 1/6W, J
R444	20512225	CF, 2.2M OHM, 1/6W, J
R445	20512102	CF, 1K OHM, 1/6W, J
R446	20512102	CF, 1K OHM, 1/6W, J
R447	20512225	CF, 2.2M OHM, 1/6W, J
R448	20512225	CF, 2.2M OHM, 1/6W, J

Location No.	Part No.	Description
R449	20512225	CF, 2.2M OHM, 1/6W, J
R450	20512225	CF, 2.2M OHM, 1/6W, J
R451	20512103	CF, 10K OHM, 1/6W, J
R452	20512103	CF, 10K OHM, 1/6W, J
R453	20512104	CF, 100K OHM, 1/6W, J
R454	20512104	CF, 100K OHM, 1/6W, J
R455	20512333	CF, 33K OHM, 1/6W, J
R456	20512333	CF, 33K OHM, 1/6W, J
R457	20512821	CF, 820 OHM, 1/6W, J
R458	20514821	CF, 820 OHM, 1/4W, J
R459	20512332	CF, 3.3K OHM, 1/6W, J
R460	20512332	CF, 3.3K OHM, 1/6W, J
R461	20512225	CF, 2.2M OHM, 1/6W, J
R462	20512225	CF, 2.2M OHM, 1/6W, J
R463	20512564	CF, 560K OHM, 1/6W, J
R464	20512564	CF, 560K OHM, 1/6W, J
R465	20512104	CF, 100K OHM, 1/6W, J
R466	20512104	CF, 100K OHM, 1/6W, J
R467	20512824	CF, 820K OHM, 1/6W, J
R468	20512824	CF, 820K OHM, 1/6W, J
R469	20512473	CF, 47K OHM, 1/6W, J
R470	20512473	CF, 47K OHM, 1/6W, J
R471	20512392	CF, 3.9K OHM, 1/6W, J
R472	20512392	CF, 3.9K OHM, 1/6W, J
R473	20512225	CF, 2.2M OHM, 1/6W, J
R474	20512225	CF, 2.2M OHM, 1/6W, J
R475	20512153	CF, 15K OHM, 1/6W, J
R476	20512153	CF, 15K OHM, 1/6W, J
R477	20512103	CF, 10K OHM, 1/6W, J
R478	20512103	CF, 10K OHM, 1/6W, J
R479	20512103	CF, 10K OHM, 1/6W, J
R480	20512103	CF, 10K OHM, 1/6W, J
R481	20514100	CF, 10 OHM, 1/4W, J
R482	20514100	CF, 10 OHM, 1/4W, J
R483	20512472	CF, 4.7K OHM, 1/6W, J
R484	20512472	CF, 4.7K OHM, 1/6W, J
R485	20512822	CF, 8.2K OHM, 1/6W, J
R486	20512822	CF, 8.2K OHM, 1/6W, J
R487	20512102	CF, 1K OHM, 1/6W, J
R488	20512102	CF, 1K OHM, 1/6W, J
R489	20512471	CF, 470 OHM, 1/6W, J
R490	20512224	CF, 220K OHM, 1/6W, J
R491	20512394	CF, 390K OHM, 1/6W, J
R492	20512474	CF, 470K OHM, 1/6W, J
R493	20512334	CF, 330K OHM, 1/6W, J
R494	20512224	CF, 220K OHM, 1/6W, J
R495	20512103	CF, 10K OHM, 1/6W, J
R496	20512474	CF, 470K OHM, 1/6W, J
R497	20512333	CF, 33K OHM, 1/6W, J
R498	20512221	CF, 220 OHM, 1/6W, J
R499	20512123	CF, 12K OHM, 1/6W, J
R501	20512102	CF, 1K OHM, 1/6W, J
R502	20512102	CF, 1K OHM, 1/6W, J
R503	20512563	CF, 56K OHM, 1/6W, J
R504	20512563	CF, 56K OHM, 1/6W, J
R505	20512331	CF, 330 OHM, 1/6W, J
R506	20512331	CF, 330 OHM, 1/6W, J
R507	20512563	CF, 56K OHM, 1/6W, J
R508	20512563	CF, 56K OHM, 1/6W, J
R509	20516222	CF, 2.2K OHM, 1/2W, J
R510	20516222	CF, 2.2K OHM, 1/2W, J
R511	20516222	CF, 2.2K OHM, 1/2W, J
R512	20516222	CF, 2.2K OHM, 1/2W, J
R513	20512103	CF, 10K OHM, 1/6W, J
R514	20512224	CF, 220K OHM, 1/6W, J
⚠R515	20531101	FUSIBLE, 100 OHM, 1/4W, J
⚠R516	20531101	FUSIBLE, 100 OHM, 1/4W, J
R517	20512223	CF, 22K OHM, 1/6W, J
R518	20512274	CF, 270K OHM, 1/6W, J
R519	20516102	CF, 1K OHM, 1/2W, J
R520	20516102	CF, 1K OHM, 1/2W, J
R521	20512472	CF, 4.7K OHM, 1/6W, J
R522	20512472	CF, 4.7K OHM, 1/6W, J
R523	22500341	WIRE WOUND, 0.22 OHM, 2W, K
R524	22500341	WIRE WOUND, 0.22 OHM, 2W, K
R525	20512221	CF, 220 OHM, 1/6W, J
R526	20512221	CF, 220 OHM, 1/6W, J
R527	20512473	CF, 47K OHM, 1/6W, J
R528	20512473	CF, 47K OHM, 1/6W, J
R529	20512152	CF, 1.5K OHM, 1/6W, J
R530	20512152	CF, 1.5K OHM, 1/6W, J
R531	20523100	OMF, 10 OHM, 1W, J
R532	20523100	OMF, 10 OHM, 1W, J
R533	20523331	OMF, 330 OHM, 1W, J
R534	20523331	OMF, 330 OHM, 1W, J
R535	20512223	CF, 22K OHM, 1/6W, J
R536	20512104	CF, 100K OHM, 1/6W, J
R537	20512562	CF, 5.6K OHM, 1/6W, J
R538	20512390	CF, 39 OHM, 1/6W, J
R539	20513479	CF, 4.7 OHM, 1/4W, J
R540	20512332	CF, 3.3K OHM, 1/6W, J
R541	20512104	CF, 100K OHM, 1/6W, J
R542	20512103	CF, 10K OHM, 1/6W, J
R543	20516221	CF, 220 OHM, 1/2W, J
R544	20516151	CF, 150 OHM, 1/2W, J
R545	20512332	CF, 3.3K OHM, 1/6W, J
R546	20512104	CF, 100K OHM, 1/6W, J
R547	20512104	CF, 100K OHM, 1/6W, J
R548	20512473	CF, 47K OHM, 1/6W, J
R549	20512103	CF, 10K OHM, 1/6W, J
R550	20512103	CF, 10K OHM, 1/6W, J
R551	20501003	WIRE WOUND, 22 OHM, 5W, K
R552	20501003	WIRE WOUND, 22 OHM, 5W, K
R601	20512562	CF, 5.6K OHM, 1/6W, J
R602	20512122	CF, 1.2K OHM, 1/6W, J
R603	20512474	CF, 470K OHM, 1/6W, J
R604	20512563	CF, 56K OHM, 1/6W, J
R605	20512223	CF, 22K OHM, 1/6W, J
R606	20512102	CF, 1K OHM, 1/6W, J
R607	20512223	CF, 22K OHM, 1/6W, J

Location No.	Part No.	Description
R608	20512104	CF, 100K OHM, 1/6W, J
R612	20512473	CF, 47K OHM, 1/6W, J
R613	20512473	CF, 47K OHM, 1/6W, J
R614	20512473	CF, 47K OHM, 1/6W, J
R615	20512473	CF, 47K OHM, 1/6W, J
R616	20512473	CF, 47K OHM, 1/6W, J
R617	20512104	CF, 100K OHM, 1/6W, J
R618	20512104	CF, 100K OHM, 1/6W, J
R619	20512103	CF, 10K OHM, 1/6W, J
R620	20512473	CF, 47K OHM, 1/6W, J
R621	20512223	CF, 22K OHM, 1/6W, J
R622	20512472	CF, 4.7K OHM, 1/6W, J
R623	20512472	CF, 4.7K OHM, 1/6W, J
R624	20512223	CF, 22K OHM, 1/6W, J
R625	20512102	CF, 1K OHM, 1/6W, J
R626	20512104	CF, 100K OHM, 1/6W, J
R627	20512562	CF, 5.6K OHM, 1/6W, J
R628	20512473	CF, 47K OHM, 1/6W, J
R629	20512104	CF, 100K OHM, 1/6W, J
R630	20512104	CF, 100K OHM, 1/6W, J
R631	20512562	CF, 5.6K OHM, 1/6W, J
R634	20512104	CF, 100K OHM, 1/6W, J
R635	20512334	CF, 330K OHM, 1/6W, J
R651	20512155	CF, 1.5M OHM, 1/6W, J
R652	20512474	CF, 470K OHM, 1/6W, J
R653	20512103	CF, 10K OHM, 1/6W, J
R654	20512223	CF, 22K OHM, 1/6W, J
R655	20512102	CF, 1K OHM, 1/6W, J
R656	20512433	CF, 43K OHM, 1/6W, J
R657	20512221	CF, 220 OHM, 1/6W, J
R658	20512103	CF, 10K OHM, 1/6W, J
R659	20512102	CF, 1K OHM, 1/6W, J
R662	20512223	CF, 22K OHM, 1/6W, J
R665	20512104	CF, 100K OHM, 1/6W, J
R666	20512473	CF, 47K OHM, 1/6W, J
R667	20512473	CF, 47K OHM, 1/6W, J
R668	20512102	CF, 1K OHM, 1/6W, J
R669	20512102	CF, 1K OHM, 1/6W, J
R670	20512473	CF, 47K OHM, 1/6W, J
R903	20512473	CF, 47K OHM, 1/6W, J
R904	20512473	CF, 47K OHM, 1/6W, J

Location No.	Part No.	Description
⚠R905	22500474	FUSIBLE, 0.68 OHM, 1/4W, K
R906	20512821	CF, 820 OHM, 1/6W, J
R907	20512680	CF, 68 OHM, 1/6W, J
R908	20516122	CF, 1.2K OHM, 1/2W, J
R909	20512331	CF, 330 OHM, 1/6W, J
R910	20512560	CF, 56 OHM, 1/6W, J
R911	20512222	CF, 2.2K OHM, 1/6W, J
R912	20512223	CF, 22K OHM, 1/6W, J
⚠R913	22500472	FUSIBLE, 1.2 OHM, 1/4W, J
R914	20512471	CF, 470 OHM, 1/6W, J
R915	20512680	CF, 68 OHM, 1/6W, J
R916	20512331	CF, 330 OHM, 1/6W, J
R917	20512560	CF, 56 OHM, 1/6W, J
R918	20516220	CF, 22 OHM, 1/2W, J
R919	20512222	CF, 2.2K OHM, 1/6W, J
R920	20512471	CF, 470 OHM, 1/6W, J
R931	20523332	MF, 3.3K OHM, 1W, J
R932	20523332	MF, 3.3K OHM, 1W, J

ACCESSORIES

AC01	22909089	OWNER'S MANUAL (UK,AUSTRA)
AC01	22909090	OWNER'S MANUAL (EUROPE,GERMANY)
AC01	22909091	OWNER'S MANUAL (OTHERS)
AC02	22120212	REMOTE CONTROL UNIT RM-V329
AC03	22169254	ADAPTOR, AC PLUG (OTHERS)

TOSHIBA CORPORATION
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